

1/7/03

PATENT APPLICATION

Sheet 1 of 1

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

200300074

APPLICATION NO.

CONFIRMATION NO.

APPLICANT

Xiao-An Zhang

FILING DATE

Filed Herein

GROUP

REFERENCE DESIGNATION




U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A				
	1B				
	1C				
	1D				
	1E				
	1F				
	1G				
	1H				
	1I				
	1J				
	1K				

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L				
	1M				
	1N				
	1O				
	1P				

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	Maki-Ontto, Rikka, "Flow and Conductivity Properties of Comb-Shaped Self-Organized Supramolecules," Dissertation, Helsinki University of Technology, Presented 23 November 2001, 36 pp.	
	1R	Chambron, Jean-Claude, et al., "Rotaxanes and Other Transition Metal-Assembled Porphyrin Arrays for Long-Range Photoinduced Charge Separation", Coordination Chemistry Reviews, Vols. 178-180, 1998, pp. 1299-1312.	
	1S	Lehn, Jean-Marie, "Supramolecular Chemistry-Scope and Perspectives Molecules-Super molecules-Molecular Devices", Nobel Lecture, Paris, 8 December 1987.	

EXAMINER



DATE CONSIDERED

3/20/06

PATENT APPLICATION

Sheet 2 of 3

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

200300074

APPLICATION NO.

CONFIRMATION NO.

APPLICANT

Xiao-An Zhang

FILING DATE

Filed Herein

GROUP

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	2A			
	2B			
	2C			
	2D			
	2E			
	2F			
	2G			
	2H			
	2I			
	2J			
	2K			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
2L				
2M				
2N				
2O				
2P				

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

2Q	Aviram, Arie and Mark A. Ratner, "Molecular Rectifiers", Chemical Physics Letters, Vol. 29, No. 2, 15 November 1974, pp. 277-283.
2R	Lehn, Jean-Marie, Design of Organic Complexing Agents, Strategies Towards Properties, Institut de Chimie, Université Louis Pasteur, Strasbourg, France, pp. 1-69.
2S	Keuhl, Christopher J., et al., "Self-Assembly of Molecular Prisms via an Organometallic 'Clip'", Organic Letters, Vol. 4, No. 6, pp. 913-915.

EXAMINER

FZ Rude

DATE CONSIDERED

3/20/06

PATENT APPLICATION

Sheet 3 of 3

FORM PTO-1449	ATTY. DOCKET NO. 200300074	APPLICATION NO.	CONFIRMATION NO.
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT. (Use several sheets if necessary)	APPLICANT Xiao-An Zhang		
	FILING DATE Filed Herein	GROUP	

REFERENCE DESIGNATION



U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	3A			
	3B			
	3C			
	3D			
	3E			
	3F			
	3G			
	3H			
	3I			
	3J			
	3K			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	3L				
	3M				
	3N				
	3O				
	3P				

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	3Q	Seto, Christopher T., et al., "Molecular Self-Assembly Through Hydrogen Bonding: Aggregation of Five Molecules to Form a Discrete Supramolecular Structure", Journal of American Chemical Society, Vol. 115, 1993, pp. 1321-1329.
	3R	Jeong, Kyu-Sung, et al., "Assembly and Binding Properties of Osmate Ester-Bridged Binuclear Macrocycles", Journal of Organic Chemistry, Vol. 64, 1999, pp. 9459-9466.
	3S	

EXAMINER



DATE CONSIDERED

3/20/06

PATENT APPLICATION

Sheet 1 of 5

FORM PTO-1449

ATTY. DOCKET NO.

200300074-1

APPLICATION NO.

10/614,855

CONFIRMATION NO.

9152

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

APPLICANT

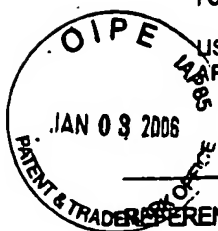
XIAO-AN ZHANG ET AL

FILING DATE

7/7/2003

GROUP

2823



REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
<i>[Signature]</i>	1A	6,947,205	9/20/2005	Zhang et al	/
	1B	6,556,470	4/29/2003	Vincent et al	
	1C	6,731,532	5/4/2004	Vincent et al	
	1D	6,876,570	4/5/2005	Vincent et al	
	1E	6,822,893	11/23/2004	Vincent et al	
	1F	6,853,577	2/8/2005	Vincent et al	
	1G	6,809,956	10/26/2004	Vincent et al	
	1H	6,674,932	1/6/2004	Zhang et al	
	1I	6,701,035	3/2/2004	Zhang et al	
	1J	6,763,158	7/13/2004	Zhang et al	
<i>[Signature]</i>	1K	6,888,978	5/3/2005	Zhang et al	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	
	1R	
	1S	

EXAMINER

[Signature]

DATE CONSIDERED

3/20/06

PATENT APPLICATION

Sheet 2 of 5

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 200300074-1	APPLICATION NO. 10/614,855	CONFIRMATION NO.
	APPLICANT XIAO-AN ZHANG ET AL		
	FILING DATE 7/7/2003	GROUP 2823	

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
<i>MR</i>	2A	6,920,260	7/19/2005	Zhang et al	
	2B	6,805,817	10/19/2004	Zhang et al	
	2C	6,937,357	8/30/2005	Vincent et al	
	2D	6,850,230	2/1/2005	Vincent et al	
	2E	6,940,497	9/6/2005	Vincent et al	
	2F	6,806,453	10/19/2004	Vincent et al	
	2G	6,670,981	12/30/03	Vincent et al	
	2H	6,815,706	11/9/2004	Li et al	
	2I	6,763,158	7/13/04	Zhang et al	
	2J	6,867,427	3/15/04	Zhang et al	
<i>MR</i>	2K	6,751,365	6/15/04	Zhang et al	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	2L					
	2M					
	2N					
	2O					
	2P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

2Q	
2R	
2S	

EXAMINER

JH Rude

DATE CONSIDERED

3/20/06

PATENT APPLICATION

Sheet 3 of 5

FORM PTO-1449	ATTY. DOCKET NO. 200300074-1	APPLICATION NO. 10/614,855	CONFIRMATION NO.
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT XIAO-AN ZHANG ET AL		
(Use several sheets if necessary)	FILING DATE 7/7/2003	GROUP 2823	

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
<i>JK</i>	3A	6,853,478	2/8/2005	Vincent et al	
	3B	6,795,230	9/21/2004	Vincent et al	
	3C	6,942,312	9/13/2005	Leung et al	
	3D	6,512,119	1/28/2003	Bratkovski et al	
	3E	6,624,002	9/23/2003	Bratkovski et al	
	3F	5,866,284	2/2/1999	Vincent	
	3G	6,045,955	4/4/2000	Vincent	
	3H	6,663,797	12/16/2003	Bratkovski et al	
	3I	6,757,457	6/29/2004	Zhang et al	
	3J	6,778,165	8/17/2004	Hubby et al	
<i>JK</i>	3K	6,934,424	8/23/2005	Zhang et al	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	3L					
	3M					
	3N					
	3O					
	3P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

3Q	
3R	
3S	

EXAMINER

JK

DATE CONSIDERED

3/20/06

PATENT APPLICATION

Sheet 4 of 5

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

200300074-1

APPLICATION NO.

10/614,855

CONFIRMATION NO.

APPLICANT

XIAO-AN ZHANG ET AL

FILING DATE

7/7/2003

GROUP

2823

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
<i>SR</i>	4A	2003-0071780	4/17/2003	Vincent et al	
	4B	2004-0095309	5/20/2004	Vincent et al	
	4C	2002-0176276	11/29/2002	Zhang et al	
	4D	2004-0080804	4/29/2004	Vincent et al	
	4E	2003-0194630	10/16/2003	Beck et al	
	4F	2004-0122233	6/24/2004	Beck et al	
	4G	2004-0084661	5/6/2004	Zhang et al	
	4H	2005-0006640	1/13/2005	Jackson et al	
	4I	2005-0194526	9/8/2005	Zhou et al	
	4J	2005-0040417	2/24/2005	Li et al	
<i>SR</i>	4K	2004-0041799	3/4/2004	Vincent et al	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	4L					
	4M					
	4N					
	4O					
	4P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

4Q		
4R		
4S		

EXAMINER

J. R. Rude

DATE CONSIDERED

3/20/06

PATENT APPLICATION

Sheet 5 of 5

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

200300074-1

APPLICATION NO.

10/614,855

CONFIRMATION NO.

APPLICANT

XIAO-AN ZHANG ET AL

FILING DATE

7/7/2003

GROUP

2823

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
<i>BR</i>	5A	2005-0084204	4/21/2005	Zhou et al	
<i>BR</i>	5B	2005-0052983	3/10/2005	Vincent et al	
	5C				
	5D				
	5E				
	5F				
	5G				
	5H				
	5I				
	5J				
	5K				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	5L					
	5M					
	5N					
	5O					
	5P					

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

5Q	
5R	
5S	

EXAMINER

JLRude

DATE CONSIDERED

3/20/06